

I claim:

8 ~~1.~~ A chemical process for producing a heat-absorbent material comprising the steps of:

providing a first solution made by mixing water with sodium bicarbonate;

providing a second solution made by mixing water with sodium silicate;

passing said first solution through a positively charged magnetic field and passing said second solution through a negatively charged magnetic field; and

mixing equal parts of said first solution and said second solution together to form a mixture; and

allowing the mixture to stand and set, thereby forming a gel having heat-absorbent properties.

4 ~~2.~~ A method for producing a fire suppressant for use in dousing a fire producing carbon dioxide, comprising the steps of:

providing a first solution made by mixing water with sodium bicarbonate;

providing a second solution made by mixing water and sodium silicate;

passing said first solution through a positively charged magnetic field and passing said second solution through a negatively charged magnetic field;

mixing equal parts of said first solution and said second solution together to form a mixture; and

allowing the mixture to stand and set, thereby forming a gel having fire suppressant properties.

5^f. The method of Claim ⁴ further including the steps of:

spraying said gel on said fire;

allowing said gel to mix with said carbon dioxide to further

suppress said ^{fire} ~~fire~~, and

~~quickening the formation of said gel by its mixture with said~~

~~carbon dioxide.~~

6^f. The method of Claim ⁴ further including the step of:

introducing a surfactant into said mixture to form a foamed gel.

1^f. A method for delivery of fire suppressing material onto a fire, comprising the steps of:

providing a first solution made by mixing water with sodium bicarbonate;

providing a second solution made by mixing water with sodium silicate;

passing said first solution through a positively charged magnetic field and passing said second solution through a negatively charged magnetic field;

mixing said first and second solutions to form a mixture;

introducing carbon dioxide gas into said mixture of said solutions
to form a gel;
providing a pressure pump;
pressurizing said gel by said pressure pump to approximately 5000
psi;
providing a dispersion device;
pumping said gel by said pump into said dispersion device; and
dispensing said pressurized gel on a fire through said dispersion
device.

2⁶. The method of Claim ¹~~1~~ further including before the step of pumping
said gel the steps of:

mixing a surfactant with said mixture; and
forming a foamed gel for delivery onto said fire.

9¹. The method of Claim ⁸~~1~~ further including the step of adding water to
said gel to liquefy and return said gel to a liquid state.

7⁸. The method of Claim ⁴~~7~~ further including the step of adding water to
said gel to liquefy and return said gel to a liquid state.

3¹. The method of Claim ¹¹~~3~~ further including the step of adding water to
said gel to liquefy and return said gel to a liquid state.

10. A method for the removal of a coating from a surface, comprising the
steps of:

providing a first solution made by mixing water with sodium bicarbonate;

providing a second solution made by mixing water with sodium silicate;

passing said first solution through a positively charged magnetic field;

passing said second solution through a negatively charged magnetic field;

mixing equal parts of said first solution and said second solution together to form a mixture;

allowing said mixture to stand and set, thereby forming a gel;

introducing said gel onto said surface coating to be removed;

providing a surface grinder;

lubricating said surface grinder by said presence of said gel on said surface coating;

grinding said coating on said surface to remove said surface coating;

absorbing heat by said gel produced by said grinding step; and
surrounding said ground surface material particles with said gel.

11. The method of Claim 10 further including the steps of:

collecting said ground surface material particles covered by said gel; and

[illegible]